



07-21-03

1646/\$✓

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hill and Hannan

: Group Art Unit: 1646

Serial No.: 09/346,470

: Examiner: J. Murphy

Filed: July 1, 1999

: Confirmation No. 2471

RECEIVED

JUL 23 2003

TECH CENTER 1600/2900

For: GENETIC SEQUENCES ENCODING STEROID AND JUVENILE
HORMONE RECEPTOR POLYPEPTIDES AND INSECTICIDAL MODALITIES
THEREFOR

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as EXPRESS MAIL in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

17 July 2003

B. Kroge

B. Kroge

Express Mail Receipt No: EL 982 116 798 US

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

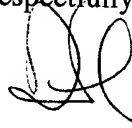
Further to the Information Disclosure Statement filed March 3, 1999, Supplemental Information Disclosure Statements filed May 18, 2001 and July 23, 2002, and in compliance with 37 C.F.R. 1.56 and 1.97-1.98, Applicants respectfully request consideration of the enclosed references listed on Form PTO-1449 provided.

The references and information provided herewith are cited in a spirit of forthrightness and cooperation to enable Applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as

prior art under the patent statute and the mere use of PTO-1449 is not an admission that all listed references are prior art. No representation is made that Applicants know of the best art.

Pursuant to 37 C.F.R. 1.97(c) a check in the amount of \$180.00 as required by 37 C.F.R. 1.17(p), is enclosed herewith. If this is incorrect, however, please deduct any necessary fee from Deposit Account 07-1969.

Respectfully submitted,



Donna M. Ferber
Reg. No. 33,878

RECEIVED

JUL 23 2003

TECH CENTER 1600/2900

GREENLEE, WINNER AND SULLIVAN, P.C.
5370 Manhattan Circle, Suite 201
Boulder, CO 80303
Telephone (303) 499-8080
Facsimile: (303) 499-8089
Email: winner@greenwin.com

Attorney docket No.: 53-99
bmk: July 17, 2003



1 of 2

Form PTO 1449		
ATTY DOCKET NO. 53-99	SERIAL NO. 09/346,470	FILING DATE July 1, 1999
APPLICANT Hill and Hannan		GROUP 1646

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,688,691	11/18/97	Oro et al.	455	348	

RECEIVED

FOREIGN PATENT DOCUMENTS

JUL 23 2003

Document Number	Date	Country	Class	Subclass	Translation Yes/No

TECH CENTER 1600/2900

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

	✓	Cho, W-L. et al. (1995) "Mosquito Ecdysteroid Receptor: Analysis of the cDNA and Expression During Vitellogenesis"; <i>Insect Biochem. Molec. Biol.</i> 25 (1):19-27.
	✓	Database Swallprot 'Online! "Ecdysone receptor, Aedes aegypt"; Database Accession No. P49880. XP-002216321.
	✓	Guo, X. et al. (1998) "Isolation of two functional retinoid X receptor subtypes from the Ixodid tick, <i>Amblyomma americanum</i> (L.)"; <i>Molecular and Cellular Endocrinology</i> 139 (1-2):45-60.
	✓	Database Swallprot 'Online! 1 August 1998 "Retinoid X receptor, <i>Amblyomma americanum</i> "; Database Accession No. 061448. XP-002228988.
	✓	Jindra, M. et al. (1997) "Identification and mRNA developmental profiles of two ultraspiracle isoforms in the epidermis and wings of <i>Manduca sexta</i> "; <i>Insect Molecular Biology</i> 6 (1):41-53.
	✓	Database Swallprot 'Online! 1 October 1996 "Ultraspiracle protein homolog, <i>Manduca sexta</i> "; Database Accession No. P54779. XP-002228984.



Form PTO 1449		
ATTY DOCKET NO. 53-99	SERIAL NO. 09/346,470	FILING DATE July 1, 1999
APPLICANT Hill and Hannan		GROUP 1646

			✓ Mouillet, J-F. et al. (1997) "Cloning of two putative ecdysteroid receptor isoforms from <i>Tenebrio molitor</i> and their developmental expression in the epidermis during metamorphosis"; <i>European Journal of Biochemistry</i> 248 :856-863.
			✓ Database Swallprot 'Online! 1 July 1997 "Ecdysone receptor, <i>Tenebrio molitor</i> "; Database Accession No. 002035. XP-002228986.
			✓ Oro, A.E. et al. (1990) "Relationship between the product of the <i>Drosophila ultraspiracle</i> locus and the vertebrate retinoid X receptor"; <i>Nature</i> 347 (6290):298-301.
			✓ Yao, T-P. et al. (1993) "Functional ecdysone receptor is the product of <i>EcR</i> and <i>Ultraspiracle</i> genes"; <i>Nature</i> 366 (6454):476-479.
			✓ Database Swallprot 'Online! 1 February 1991 retrieved from EBI. Database Accession No. P20153. XP-002228982, Ultraspiracle protein, <i>Drosophila melanogaster</i> ..
			✓ Database Empat 'Online! 7 April 1998 retrieved from EBI. Database Accession No. I74629. XP-002228983, Sequence from U.S. Patent 5,688,691.
			✓ Database Swallprot 'Online! 1 February 1997 "Ultraspiracle homolog, <i>Riptortus clavatus</i> "; Database Accession No. Q94730. XP-002238987.

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

12/20/89